

Claims

[c1] What is claimed is:

1. A method for managing incoming calls of a mobile phone, the mobile phone comprising a control circuit and a volume detector, the method comprising:

- (a) receiving a call signal with the mobile phone;
- (b) detecting environmental volume surrounding the mobile phone with the volume detector;
- (c) executing a first managing process with the control circuit when the detected surrounding volume exceeds a predetermined value, or executing a second managing process with the control circuit when the detected surrounding volume does not exceed the predetermined value.

[c2] 2. The method of claim 1 wherein the first managing process comprises vibrating the mobile phone.

[c3] 3. The method of claim 1 wherein the mobile phone comprises a speaker and the first managing process comprises playing a ringing tone.

[c4] 4. The method of claim 1 wherein the second managing process comprises vibrating the mobile phone.

- [c5] 5. The method of claim 1 wherein the first managing process comprises increasing the volume of a ringing tone.
- [c6] 6. The method of claim 1 wherein the first managing process comprises sending a voice message.
- [c7] 7. The method of claim 1 wherein the mobile phone comprises a microphone and the volume detector detecting the surrounding volume through the microphone.
- [c8] 8. The method of claim 1 wherein the mobile phone comprises a timer to be activated after the mobile phone receiving the incoming call signal.
- [c9] 9. The method of claim 8 wherein the control circuit executes the second managing process for a predetermined time after the mobile phone receiving the call signal.
- [c10] 10. The method of claim 9 wherein the control circuit executes the first managing process after the predetermined time.
- [c11] 11. A mobile phone for implementing the method of claim 1.